

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Patent Application

Inventors(s):	Alexey Belyanin Alfred Yi Cho Claire F. Gmachl Oana Malis Milton L. Peabody Arthur Mike Sargent Deborah Lee Sivco	Case:	1-114-29-1-2-10-43
Serial No.:		Group Art Unit:	Not assigned yet
Filing Date:		Examiner:	Not assigned yet
Title:	Phase Matched Parametric Light Generation in Monolithically Integrated Intersubband Optical Devices		

**THE COMMISSIONER OF PATENTS AND TRADEMARKS
WASHINGTON, DC 20231**

SIR:

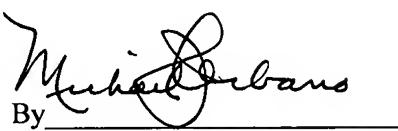
INFORMATION DISCLOSURE STATEMENT

In accordance with 37 CFR 1.97(b), the enclosed Information Disclosure Statement (IDS) is submitted for consideration in the above-identified application.

Copies of the reference(s) listed in the IDS are enclosed.

NO FEE IS REQUIRED.

Respectfully,


By _____

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610-691-7710

Date: 03/29/04

Att. IDS with reference(s)

APPLICANT: Alexey Belyanin et al.

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

FILING DATE

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
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AA	5	8	9	8	7	2	0	4/99	Yamamoto et al.	372	39	
AB												
AC												
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AG												
AH												
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AJ												
AK												

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY/AUTHOR	CLASS	SUB-CLASS	TRANSL'N YES NO
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AO

AP

OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Meyer et al., <i>Appl. Phys. Lett.</i> , Vol. 67, No. 5, pp. 608-610 (July 1995)
AS	Rosencher et al., <i>Science</i> , Vol. 271, pp. 168-173 (Jan 1996)
AT	Gurnick et al., <i>IEEE J. Quantum Electron.</i> , Vol. 19, No. 5, pp. 791-794 (May 1983)
AU	Capasso et al., <i>IEEE J. Quantum Electron.</i> , Vol. 30, No. 5, pp. 1313-1326 (May 1994)
AV	Vurgaftman et al., <i>IEEE J. Quantum Electron.</i> , Vol. 32, No. 8, pp. 1334-1346 (Aug 1996)
AW	Gmachl et al., <i>IEEE J. Quantum Electron.</i> , Vol. 39, No. 11, pp. 1345-1355 (Nov 2003)
AX	Owschimikow et al., <i>Phys. Rev. Lett.</i> , Vol. 90, No. 4, pp. 043902-(1-4) (Jan 2003)
AY	Fiore et al., <i>Nature</i> , Vol. 391, pp. 463-466 (Jan 1998)
AZ	Vodopyanov et al., <i>Appl. Phys. Lett.</i> , Vol. 72, No. 21, pp. 2654-2656 (May 1998)
BA	Chowdhury et al., <i>IEEE Photon. Technol. Lett.</i> , Vol. 12, No. 5, pp. 486-488 (May 2000)
BB	Moutzouris et al., <i>Appl. Phys. Lett.</i> , Vol. 83, No. 4, pp. 620-622 (July 2003)
BC	Capasso et al., <i>Copending Patent Application</i> , Serial No. 10/261,423 filed on Sept 30, 2002, entitled <i>Nonlinear Semiconductor Light Sources</i> (no copy attached)

EXAMINER:

DATE CONSIDERED:

SHEET 1 OF 1